SALEM ABDULLAH SALEM GARFAN

CONTACT

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SKILLS

- Skilled multi-tasker
- Conflict resolution expertise
- Adaptable nature
- Scheduling
- Excellent judgment
- HTML
- CSS
- Java
- RapidMiner
- Python
- Django
- Tensorflow
- Photoshop
- MySQL
- Photoshop
- Machine Learning
- Data Pre-processing
- Data Analytics
- Artificial Intelligence
- Microsoft Office
- Windows server
- Troubleshooting and problem solving
- fast learner
- Hard worker
- Good communicator
- Analytical thinking
- Research and development
- **Arabic (native)**
- **English (fluent)**
- **Malay (beginner)**

SUMMARY

A dedicated and accomplished academic professional with extensive experience in teaching, research, and administration within higher education institutions. My expertise lies at the intersection of artificial intelligence and software engineering, underpinned by a deep understanding of machine learning algorithms, programming paradigms, and advanced software development methodologies. I have a proven track record of conducting impactful research, including designing and executing experiments, analyzing complex datasets, and publishing findings in reputable journals. My teaching portfolio spans foundational to advanced courses in AI and ML, where I emphasize both theoretical rigor and practical applications. Additionally, I am experienced in supervising graduate research, fostering interdisciplinary collaborations, and securing research funding. My academic and professional journey reflects a strong commitment to advancing AI-driven innovation and mentoring the next generation of scholars and professionals in the field.

CORE COMPETENCIES

- Strong educational foundation in Faculty of Information and Communication Technology.
- Proven ability to attain competitive research funding along with a strong portfolio of research grants.
- Proven ability to publish in high quality peer-review journals.
- Self-starter, quick learner and highly motivated.
- good knowledge of qualitative, quantitative, and mixed methods / evaluation methods common to education
- General computer and network security.
- High-level programming languages (such as C/C++, Python, or Java).
- Windows internals and data structures.
- Evidence of ability to extend, transform and apply knowledge acquired from scholarship, research or industry to teaching and appropriate external activities.

EXPERIENCE

Senior Lecturer   Dec 2023 -Present
Universiti Pendidikan Sultan Idris, Perak, Malaysia
- Planning and delivering learning instructions, preparing Lesson plans,.
- Ensuring that course design and delivery comply with the quality standards and regulations.
- writing, preparing and marking assignments and examinations to students.
- Supervising student projects, theses and disseretations.
- Writing or contributing to publications or disseminating research findings.

Senior Analyst   Nov 2020 –Nov 2023
UnivTech Group, Jubail, Saudi Arabia
- Planning and developing the current project.
- Adjusting schedules and targets on the project as needed.
- Assisting in the definition of project scope and goals.
- Managing project progress and adapt work as required.
- Monitoring the project work.
- Responsible for onsite project management, crew management and implementation of renewable energy projects.
- Manage installation crews consisting of 16 employees for energy systems installation and troubleshooting.

Research Assistant (part time)   Nov 2018 - May 2019
Faculty of Computing, UPSI | Tanjong Malim| Perak, Malaysia.
- Developing an android-based application for the project.
- Precisely followed study protocols while always maintaining the confidentiality of data collected.
- Prepared and reported accurate data on the progress of the hundreds of participants on various Microsoft office programs.
- Assisted project coordinator with cohort maintenance through calling, texting, online contacts and training new research assistants.

IT Application Support Developer   Oct 2017 - Oct 2020
IT Department, Limkokwing University of Creative Technology | Cyberjaya, Malaysia
- Worked with a team and alone to ensure delivering the needed service efficiently.
- Provided level 1 and 2 support for software and hardware.
- Troubleshoot and solved network/pcs/printers/servers issues.
- Managed and handled ticketing system based on SLA using ITIL.

IT Technical Support   Sep 2016 - Sep 2017
IT Department, Limkokwing University of Creative Technology | Cyberjaya, Malaysia
- Provided technical support for hardware software, provided exceptional customer service in response to incoming service requests.
- Troubleshoot problems with PCs, servers, software, and communications devices.
- Ensured backups have been completed successfully and maintained equipment inventory.
- Served as an expert in computer equipment analysis and security.

EDUCATION

PhD in Artificial Intelligence   **Sep 2017 - June 2021**
Universiti Pendidikan Sultan Idris, Malaysia
CGPA: 80%

Master of Science in Software Management   **Jan 2016 - Jul 2017**
Limkokwing University of Creative Technology, Malaysia
CGPA: 3.79 out of 4

B.Sc. in Software Engineering with Multimedia   **Feb 2013 - Dec 2015**
Limkokwing University of Creative Technology, Malaysia
CGPA: 3.79 out of 4

Science Department, General Secondary Certificate   **Graduated 2006**
Al-Ahsaa Secondary School, Al-Jubail, Saudi Arabia
CGPA: 94%

CERTIFICATIONS

Participated in Workshop on Writing and Publishing High Impact Research (Nov 2017)
Issued by: Universiti Teknikal Malaysia Melaka (UTeM)

Managing and Leading Student Activities (Jun 2015)
Issued by: Gulf Board for Human Development

Diploma in Project Management (Sep 2015)
Issued by: Canadian Training Center of Human Development

CURRENT PUBLICATIONS

Current H-Index: 17

- Garfan, Salem, et al. "Can Smartphones Serve as an Instrument for Driver Behavior of Intelligent Transportation Systems Research? A Systematic Review: Challenges, Motivations, and Recommendations." Pervasive and Mobile Computing (2024): 101978.
- Garfan, Salem, et al. "Telehealth utilization during the Covid-19 pandemic: A systematic review." Computers in biology and medicine 138 (2021): 104878.
- Talal, Mohammed, et al. "A Comprehensive Systematic Review on Machine Learning Application in the 5G-RAN Architecture: Issues, Challenges, and Future Directions." Journal of Network and Computer Applications (2024): 104041.
- Alamoodi, A. H., et al. "A novel evaluation framework for medical llms: Combining fuzzy logic and mcdm for medical relation and clinical concept extraction." Journal of Medical Systems 48.1 (2024): 1-12.
- Alamoodi, Abdullah Hussein, et al. "Exploring the integration of multi criteria decision analysis in the clean energy biodiesels applications: A systematic review and gap analysis." Engineering Applications of Artificial Intelligence 133 (2024): 108023.
- Sherif, Sameh M., et al. "Lexicon annotation in sentiment analysis for dialectal Arabic: Systematic review of current trends and future directions." Information Processing & Management 60.5 (2023): 103449.
- Zaidan, A. A., et al. "Review of artificial neural networks-contribution methods integrated with structural equation modeling and multi-criteria decision analysis for selection customization." Engineering Applications of Artificial Intelligence 124 (2023): 106643.
- Ahmed, M. A., et al. "Intelligent decision-making framework for evaluating and benchmarking hybridized multi-deep transfer learning models: managing COVID-19 and beyond." International Journal of Information Technology & Decision Making (2023).
- David, Dianes, et al. "Sign language mobile apps: a systematic review of current app evaluation progress and solution framework." Evolving Systems (2023): 1-18.
- Alamoodi, A. H., et al. "Systematic review of MCDM approach applied to the medical case studies of COVID-19: trends, bibliographic analysis, challenges, motivations, recommendations, and future directions." Complex & intelligent systems (2023): 1-27.
- David, Dianes, et al. "Landscape of sign language research based on smartphone apps: coherent literature analysis, motivations, open challenges, recommendations and future directions for app assessment." Universal Access in the Information Society (2023): 1-16.
- Zulkifli, Che Zalina, et al. "IoT-based water monitoring systems: a systematic review." Water 14.22 (2022): 3621.
- AlSereidi, Abeer, et al. "Novel Federated Decision Making for Distribution of Anti-SARS-CoV-2 Monoclonal Antibody to Eligible High-Risk Patients." International Journal of Information Technology & Decision Making (2022).
- Abdulwahid, Sarah Najm, et al. "A comprehensive review on the behaviour of motorcyclists: motivations, issues, challenges, substantial analysis and recommendations." International journal of environmental research and public health 19.6 (2022): 3552.

- Kareem, Z. H., et al. "An approach to pedestrian walking behaviour classification in wireless communication and network failure contexts." Complex & Intelligent Systems 8.2 (2022): 909-931.
- A. Alamoodi, et al., "Public Sentiment Analysis and Topic Modeling Regarding COVID-19's Three Waves of Total Lockdown: A Case Study on Movement Control Order in Malaysia," KSII Transactions on Internet and Information Systems (2022), vol. 16, no. 7, 2169-2190. DOI: 10.3837/tiis.2022.07.003.
- Alwahaibi, Yahya, et al. "A Comparative Analysis Of Local Culture M-Government Application In MGFHSA Between Omani Citizens In The Public And Private Sectors." Journal of Positive School Psychology (2022): 2055-2062.
- Zaidan, R. A., et al. "Comprehensive driver behaviour review: Taxonomy, issues and challenges, motivations and research direction towards achieving a smart transportation environment." Engineering Applications of Artificial Intelligence 111 (2022): 104745.
- Albahri, O. S., et al. "Combination of Fuzzy-Weighted Zero-Inconsistency and Fuzzy Decision by Opinion Score Methods in Pythagorean m-Polar Fuzzy Environment: A Case Study of Sing Language Recognition Systems." International Journal of Information Technology & Decision Making (2022): 1-29.
- Alamoodi, A. H., et al. "Multi-perspectives systematic review on the applications of sentiment analysis for vaccine hesitancy." Computers in Biology and Medicine 139 (2021): 104957
- Albahri, A. S., et al. "Integration of Fuzzy-Weighted Zero-Inconsistency and Fuzzy Decision by Opinion Score Methods under a q-Rung Orthopair Environment: A Distribution Case Study of COVID-19 Vaccine Doses." Computer Standards & Interfaces (2021): 103572.
- Mohammed, Ali, et al. "A Landscape of Research on Bus Driver Behavior: Taxonomy, Open Challenges, Motivations, Recommendations, limitations, and Pathways Solution in Future." *IEEE Access* (2021).
- Alamoodi, A. H., et al. "Machine learning-based imputation soft computing approach for large missing scale and non-reference data imputation." Chaos, Solitons & Fractals 151 (2021): 111236.
- Garfan, Salem, et al. "Overview on the Effects of Eco-Driving Strategies on Greenhouse Gas Emissions and Road Safety", International Journal of Science and Research (2021), https://www.ijsr.net/search_index_results_paperid.php?id=SR21420232251, 10 (4), 957 - 960
- Malik, R. Q., et al. "Novel roadside unit positioning framework in the context of the vehicle-to-infrastructure communication system based on AHP—Entropy for weighting and borda—VIKOR for uniform ranking." *International Journal of Information Technology & Decision Making* (2021): 1-34.
- Alwahaibi, Yahya, et al. "Proposing a M-Government Framework for the Ministry of Housing in Oman for Efficient Digital Literacy and Services: Work-in-Progress." *World Conference on Mobile and Contextual Learning*. 2020.
- Alamoodi, A. H., et al. "A systematic review into the assessment of medical apps: motivations, challenges, recommendations and methodological aspect." *Health and Technology* (2020): 1-17.
- Mohsin, A. H., et al. "Finger Vein Biometrics: Taxonomy Analysis, Open Challenges, Future Directions, and Recommended Solution for Decentralised Network Architectures." *IEEE Access* 8 (2020): 9821-9845.
- Malik, R. Q., et al. "Mapping and Deep Analysis of Vehicle-to-Infrastructure Communication Systems: Coherent Taxonomy, Datasets, Evaluation and Performance Measurements, Motivations, Open Challenges, Recommendations, and Methodological Aspects." *IEEE Access* 7 (2019): 126753-126772.
- Ameen, Hussein Ali, et al. "A Deep Review and Analysis of Data Exchange in Vehicle-to-Vehicle Communications Systems: Coherent Taxonomy, Challenges, Motivations, Recommendations, Substantial Analysis and Future Directions." *IEEE Access* 7 (2019): 158349-158378.
- Alshafeey, Ghailan A., et al. "Augmented Reality for the Disabled: Review Articles." *Journal of ICT in Education* 1 (2019): 46-57.
- Al-Harethi, Abdulrahman Ali Mohsen, and Salem Abdullah Salem Garfan. "Perceptions of Cloud-Based Applications Adoption by University's Students." *International Journal of Psychology and Cognitive Science* 4.4 (2018): 144-154.

CONFERENCES

- **The 3rd International Conference on ICT in Education 2018 (ICTE18) at Universitas Islam Negeri Ar-Raniry, Banda Aceh, Indonesia.**

AWARDS

- **Award received:** Gold Award   **Year:** 2022   **Exhibition:** MTE 2022
  Project Title: Multi Function of Federated-Decision Learning Anti-SARS-CoV-2 Monoclonal Antibodies Distributer for Eligible High Risk Patients

REFERENCES

Available on the request.